

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-29. Canceled

30. (New) An apparatus for generating segment group information tangibly embodied in a computer-readable medium describing metadata for segment group in a multimedia stream, wherein said segment group information comprising:

a plurality of segments contained in said segment group;

a group type information representing highlights from a program that share a plurality of common objects; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

31. (New) The apparatus of claim 30, wherein said segment group information includes a level information.

32. (New) The apparatus of claim 31, wherein said level information can be described by multiple levels.

33. (New) The apparatus of claim 30, wherein each segment contained in the plurality of segments includes a start time and an end time.

34. (New) A method for processing segment group information describing metadata for segment group in a multimedia stream, the method comprising:

generating said segment group information from a provider; and

transmitting said received segment group information in a client, wherein said segment group information include:

a plurality of segments contained in said segment group;

a group type information representing highlights that share a plurality of common objects from a program; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

35. (New) The method of claim 34, wherein said segment group information includes a level information.

36. (New) The method of claim 35, wherein said level information can be described by multiple levels.

37. (New) The method of claim 34, further include start time and end time of each segment contained in the plurality of segments.

38. (New) An apparatus for receiving segment group information tangibly embodied in a computer-readable medium describing metadata for segment group in a multimedia stream, wherein said segment group information comprising:

a plurality of segments contained in said segment group;

a group type information representing highlights from a program that share a plurality of common objects; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

39. (New) The apparatus of claim 38, wherein said segment group information includes a level information.

40. (New) The apparatus of claim 39, wherein said level information can be described by multiple levels.

41. (New) The apparatus of claim 38, wherein each segment contained in the plurality of segments includes a start time and an end time.

42. (New) A method for processing segment group information describing metadata for segment group in a multimedia stream, the method comprising:

receiving said segment group information from a provider; and

storing said received segment group information in a client, wherein said segment group information include:

a plurality of segments contained in said segment group;

a group type information representing highlights from a program that share a plurality of common objects; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

43. (New) The method of claim 42, wherein said segment group information includes a level information.

44. (New) The method of claim 43, wherein said level information can be described by multiple levels.

45. (New) The method of claim 42, wherein each segment contained in the plurality of segments includes a start time and an end time.

46. (New) A storage medium for storing segment group information describing metadata for segment group in a multimedia stream, wherein said segment group information comprising:

a plurality of segments contained in said segment group;

a group type information representing highlights from a program that share a plurality of common objects; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

47. (New) The storage medium of claim 46, wherein said segment group information includes a level information.

48. (New) The storage medium of claim 47, wherein said level information can be described by multiple levels.

49. (New) The storage medium of claim 46, further including start time and end time of each segment contained in the plurality of segments.

50. (New) A segment group information tangibly embodied in a computer-readable medium stored in a storage medium describing metadata for segment group in a multimedia stream, wherein said segment group information comprising:

a plurality of segments contained in said segment group;

a group type information representing highlights that share a plurality of common objects from a program; and

a duration information of said segment group, wherein said duration information is total running time of said segment group.

51. (New) The apparatus of claim 50, wherein said segment group information includes a level information.

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52. (New) The apparatus of claim 51, wherein said level information can be described by multiple levels.

53. (New) The apparatus of claim 50, wherein each segment contained in the plurality of segments includes a start time and an end time.